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## We claim:

1 A machine tool comprising: 2 a machine frame defining a working region and a 3 workpiece-replacement region and formed with guides defining a path between said regions; 4 5 a tool carrier at said working region for receiving a 6 tool for machining a workpiece positioned at said working region; 7 and two workpiece carriers displaceable along said guides 8 9 and formed as cross slides with automatically actuatable 10 workpiece holders jointly engageable in common with said 11 workpiece for automatically displacing said workpiece between 12 said regions.

- 2. The machine tool defined in claim 1 wherein said tool carrier is constructed and arranged for selectively receiving a tool for turning, milling, grinding, drilling, boring and grinding said workpiece.
  - 3. The machine tool defined in claim 1 wherein said guides are rails extending longitudinally of said machine frame and said regions are spaced longitudinally apart on said machine

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- frame, said cross slides each having a longitudinal slide 4 displaceable on said rails jointly with the other longitudinal 5 slide in a first direction of movement corresponding to z-axis 6 7 feet motion for machining of the workpiece in said working region 8 and displacement of said workpiece between said regions for 9 depositing a machined workpiece in said workpiece-replacement 10 region and receiving a workpiece to be machined in said 11 workpiece-replacement region.
  - 4. The machine tool defined in claim 3 wherein each of said cross slides comprises a transverse slide on the respective longitudinal slide for displacing a workpiece jointly held by the workpiece holders of said cross slides in a second direction of an x-axis perpendicular to said first direction by simultaneous movement of both said transverse slides.
    - 5. The machine tool defined in claim 4 wherein said machine frame has two spaced apart parallel side walls between which the working region and the workpiece-replacement region are located, said rails being provided on said side walls.

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- 1 6. The machine tool defined in claim 4 wherein said
- 2 workpiece holders are respective chucks adapted to receive and
- 3 automatically clamp the respective workpiece.
- The machine tool defined in claim 6 wherein at
- 2 least one of said chucks is provided with a rotating drive for
- 3 rotating the respective workpiece on the cross slides.
- 1 8. The machine tool defined in claim 7 wherein said
- 2 tool carrier includes a revolving head for a plurality of
- 3 machining tools.
- 1 9. The machine tool defined in claim 7 wherein said
- 2 tool carrier includes at least one motor-driven spindle for at
- 3 least one tool for machining the respective workpiece.
- 1 10. The machine tool defined in claim 9 wherein said
- 2 spindle is displaceable on said machine frame in a direction
- 3 perpendicular to a direction of displacement of a workpiece by
- 4 said cross slides.

- 1 11. The machine tool defined in claim 9 wherein said
- 2 spindle is displaceable in a direction perpendicular to a
- 3 rotation axis of said spindle.
- 1 12. The machine tool defined in claim 9, further
- 2 comprising a workpiece changer at said workpiece-replacement
- 3 region for exchanging a machined workpiece held by said cross
- 4 slides for a workpiece requiring machining.
- 5 13. The machine tool defined in claim 4 wherein each
- of said longitudinal slides has an intermediate part and lateral
- 7 parts flanking the intermediate part and riding on said rails,
- 8 the lateral parts being of different lengths.
- 1 14. The machine tool defined in claim 13 wherein said
- 2 longitudinal slides are of identical configuration and are offset
- 3 in a plan view through 180° with respect to one another.
- 1 15. The machine tool defined in claim 13, further
- 2 comprising vertical rails on each longitudinal slide for vertical
- 3 displacement of the respective transverse slide.

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